



Anti-AGRN polyclonal antibody (DPABY-340)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | Agrin, a heparan sulfate proteoglycan, is a component of the synaptic basal lamina that promotes acetylcholine receptor (AChR) clustering on cultured myotubes. |
| Specificity | Detects rat Agrin in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant rat (rr)GDNF, rrIL-1 alpha, and rrL-Selectin is observed. |
| Immunogen | S. frugiperda insect ovarian cell line Sf 21-derived recombinant rat Agrin. Ala1153-Pro1959 (Pro1788-Ser1798 del) Accession Number P25304 |
| Isotype | IgG |
| Source/Host | Goat |
| Species Reactivity | Rat |
| Purification | Antigen Affinity-purified |
| Conjugate | Unconjugated |
| Applications | Western Blot, Immunohistochemistry, ELISA Capture (Matched Pair), Neutralization |
| Format | Liquid |
| Size | 100 µg |
| Buffer | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. |
| Preservative | None |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

GENE INFORMATION

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| Gene Name | Agrn agrin [Rattus norvegicus (Norway rat)] |
| Official Symbol | AGRN |
| Synonyms | AGRN; agrin; AGR; |
| Entrez Gene ID | 25592 |
| Protein Refseq | NP_786930 |
| UniProt ID | P25304 |
| Chromosome Location | 5q36 |
| Pathway | A tetrasaccharide linker sequence is required for GAG synthesis; Axon guidance; Chondroitin sulfate/dermatan sulfate metabolism; Developmental Biology; Disease; Diseases associated with visual transduction; ECM proteoglycans; ECM-receptor interaction; |
| Function | BMP binding; acetylcholine receptor regulator activity; calcium ion binding; chondroitin sulfate binding; dystroglycan binding; heparan sulfate proteoglycan binding; protein binding; sialic acid binding; transforming growth factor beta binding; |